

GUARANTEED DATA ACCESS SPEED OF A STORAGE SYSTEM**ABSTRACT OF THE DISCLOSURE**

This invention provides techniques for guaranteeing data access speed of storage connected by a network having guaranteed QoS (Quality of Services). In a representative specific embodiment, communication speed and storage disks are assigned in order to accommodate user requested data access speed. The communication speed of data paths is assigned in order to accommodate the speed of storage system resources, such as the storage disks connected by these data paths. The storage disks are assigned in order to accommodate the speed of communication links that connect the storage system to other devices. Specific embodiments include a storage system that connects to a host computer system, and a storage system that connects with other storage systems. Specific embodiments provide guaranteed data access speed for storage, and use resources more efficiently.

PA 3103675 v2